

DEC 29 2004

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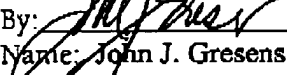
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**Fax Transmission** | December 29, 2004TO: Commissioner for Patents  
Patent Examining Corps  
Facsimile Center  
Alexandria, VA 22313.1450FROM: Anne M. Murphy  
OUR REF: 7500.331USC1  
TELEPHONE: 612.371.5267USPTO Centralized Facsimile No.: 1-703-872-9306Total pages, including cover letter: 30.

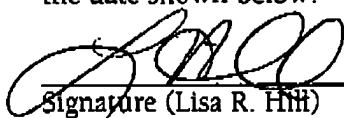
If you do NOT receive all of the pages, please telephone us at 612.336.4771, or fax us at 612.332.9081.

Title of Documents Transmitted: 1. Petition for Extension of Time.  
2. Amendment and Response to Office Action mailed June 29, 2004..

Applicant:	<b>Gill et al.</b>	Our Ref. No.:	<b>7500.331USC1</b>
Serial No.:	<b>10/034,692</b>	Confirmation No.:	<b>2411</b>
Filed:	<b>December 27, 2001</b>	Customer No.:	<b>23552</b>
Group Art Unit:	<b>1637</b>		

By:   
Name: John J. Gresens  
Reg. No. 33,112  
JJG/AMM:pll

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date shown below.

  
Signature (Lisa R. Hill)December 29, 2004  
Date

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S/N 10/034,692

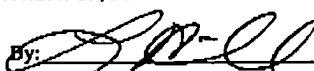
PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant:	Gill et al.	Examiner:	Alexander H. Spiegler
Serial No.:	10/034,692	Group Art Unit:	1637
Filed:	December 27, 2001	Docket No.:	7500.331USC1
Customer No.:	23552	Confirmation No.:	2411
Title:	Improvements In and Relating To Analysis of DNA		

**CERTIFICATE UNDER 37 CFR 1.6(d):**

The undersigned hereby certifies that this correspondence is being transmitted via facsimile to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on December 29, 2004.

By:   
Name: Lisa R. Hill

**AMENDMENT AND RESPONSE**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

This paper is in response to the Office Action mailed on June 29, 2004. Claims 1, 3, 6, 7, 10-17, 21-25, and 46 have been cancelled; claims 2, 4-5, 8-9, 18-20, and 26-45 remain pending in the application, and new claims 47-63 have been added to this application.

Amendments to the specification begin at page 2 of this paper.

Amendments to the claims being at page 8 of this paper.

Remarks begin at page 16 of this paper.